

8-1-05

**TITLE**

~~Toothpick~~ Applicator for light treatment of body structures

**AMENDMENT TO THE CLAIMS**

1. *(Currently Amended)* ~~A toothpick~~ An applicator for light treatment at a body structure, comprising:
  - (a) a handle, wherein said handle comprises two or more light sources each capable of delivering a unique light beam, wherein said unique light beam provides a unique light treatment; and
  - (b) an element optically connected to said light source, wherein said element is slender and elongated, and wherein said light beam radiates through the surface of said element at said body structure, said radiation is not limited to radiation through the tip of said element.
2. *(Currently Amended)* ~~The toothpick~~ The applicator as set forth in claim 1, wherein said element is a transparent element and said light beam radiates substantially through the entire surface of said transparent element.
3. *(Currently Amended)* ~~The toothpick~~ The applicator as set forth in claim 1, further comprising one or more optical guides and said light beam radiates through said one or more optical guides.

4. *(Canceled)*
5. *(Currently Amended)* ~~The toothpick~~ The applicator as set forth in claim 1, wherein said element is tapered.
6. *(Currently Amended)* ~~The toothpick~~ The applicator as set forth in claim 1, wherein the end of said element comprises a bead shape.
7. *(Currently Amended)* ~~The toothpick~~ The applicator as set forth in claim 1, wherein said element comprises a flat shaped head.
8. *(Currently Amended)* ~~The toothpick~~ The applicator as set forth in claim 1, wherein the surface of said element comprises texture.
9. *(Currently Amended)* ~~The toothpick~~ The applicator as set forth in claim 1, wherein said element further comprises bristles.
10. *(Currently Amended)* ~~The toothpick~~ The applicator as set forth in claim 9, wherein said bristles are transparent to said light beam.
11. *(Currently Amended)* ~~The toothpick~~ The applicator as set forth in claim 1, wherein said handle is a removable, a disposable, a reusable or a replaceable

handle or said element is a removable, a disposable, a reusable or a replaceable element.

12. *(Currently Amended)* ~~The toothpick~~ The applicator as set forth in claim 1, wherein said element comprises a soft plastic, a silicone or a latex.
13. *(Currently Amended)* ~~The toothpick~~ The applicator as set forth in claim 1, wherein said element is bendable or formable.
14. *(Currently Amended)* ~~The toothpick~~ The applicator as set forth in claim 1, wherein said element has a pre-arranged angle.
15. *(Currently Amended)* ~~The toothpick~~ The applicator as set forth in claim 1, wherein each of said two or more light sources is a low power laser, a light emitting diode or a semiconductor laser.
16. *(Currently Amended)* ~~The toothpick~~ The applicator as set forth in claim 1, wherein said light treatment is selected from the group consisting of an anti-inflammatory effect, a preventative effect, an anti-bacterial effect, a sterilizing effect, a heating effect, a caries-protective effect, a cleaning effect, a cosmetic effect, a therapeutic effect, a healing effect, a bio-stimulative effect, a bio-altering effect, a pain-releaving effect, an agent penetrating effect, a photo-

rejuvenating effect, a photo-dynamic treatment effect or a tissue stimulating effect.

17. *(Currently Amended)* ~~The toothpick~~ The applicator as set forth in claim 1, wherein said light beam comprises light from the ultraviolet, visible or infrared spectrum.
18. *(Currently Amended)* ~~The toothpick~~ The applicator as set forth in claim 1, wherein said body structure comprises a naturally created body structure, a wound, or a surgically created body structure.
19. *(Currently Amended)* ~~The toothpick~~ The applicator as set forth in claim 1, wherein said light beam is applied in a manner selected from the group consisting of a pulsed manner and a continuous manner.
20. *(Currently Amended)* ~~The toothpick~~ The applicator as set forth in claim 1, further comprising one or more optical components wherein said one or more optical components are selected from the group consisting of optical guides or paths, optical fibers, lenses, mirrors, prisms, reflective coatings, reflective grooves, beam splitters, collimators, light channels and gratings.
21. *(Currently Amended)* ~~The toothpick~~ The applicator as set forth in claim 1, further comprising a massaging means to massage said body structure.

22. (*Currently Amended*) ~~The toothpick~~ The applicator as set forth in claim 1, further comprising a floss.
23. (*Currently Amended*) ~~The toothpick~~ The applicator as set forth in claim 22, wherein said floss is a transparent floss and wherein said floss is optically connected to at least one of said light beams or said floss is optically connected to a different light beam of a different light source.
24. (*Currently Amended*) ~~A toothpick~~ An applicator for light treatment at a body structure, comprising:
- (a) a handle, wherein said handle comprises a light source capable of delivering a light beam, wherein said light beam provides said light treatment;
  - (b) an element optically connected to said light source, wherein said element is slender and elongated, wherein said light beam radiates through the surface of said element at said body structure; and
  - (c) a floss.
25. (*Previously Presented*) A method to optically apply two or more unique light treatments at a body structure, comprising the steps of:
- (a) optically connecting an element to two or more light sources each capable of delivering a unique light beam, wherein said light beam provides a unique light

treatment, wherein said light beams radiate through the entire surface of said element; and

(b) positioning said element with respect to said body structure to apply said light treatments at said body structure.

26. *(Original)* The method as set forth in claim 25, further comprising the step of providing a handle to host said light source and said handle is disposably or resuasably attached to said element.

27. *(Original)* The method as set forth in claim 25, further comprising the step of bending or forming said element.

28. *(Original)* The method as set forth in claim 25, wherein said element is provided in a pre-arranged angle.

29. *(Cancelled)*

30. *(Previously Presented)* The method as set forth in claim 25, wherein the relative location of said element with respect to said body structure is varied, and therewith varying the application of said light treatments provided by said two or more light sources with respect to said body structure to achieve blending of said light treatments at said body structure.

31. *(Previously Presented)* The method as set forth in claim 25, wherein said light treatment is selected from the group consisting of an anti-inflammatory effect, a preventative effect, an anti-bacterial effect, a sterilizing effect, a caries-protective effect, a cleaning effect, a cosmetic effect, a therapeutic effect, a healing effect, a bio-stimulative effect, a bio-altering effect, a pain-releaving effect, an agent penetrating effect, a photo-rejuvenating effect, a photo-dynamic treatment effect or a tissue stimulating effect.
32. *(Original)* The method as set forth in claim 25, further comprising the step of adding an agent to said body structure.
33. *(Original)* The method as set forth in claim 25, further comprising the step of massaging said body structure with said element.
34. *(Original)* The method as set forth in claim 25, further comprising the step of providing a massaging means to massage said body structure.
35. *(Previously Presented)* The method as set forth in claim 25, further comprising the step of adding a floss and using said floss to floss said body structure.
36. *(Previously Presented)* The method as set forth in claim 35, wherein said floss is a transparent floss and further comprising the step of optically

connecting said transparent floss to at least one of said light beams or optically connecting said transparent floss to a different light beam of a different light source.

37. *(Previously Presented)* The toothpick as set forth in claim 24, wherein said handle comprises two or more light sources each delivering a unique light treatment.
38. *(Previously Presented)* The toothpick as set forth in claim 24, wherein said element is tapered, flat shaped or comprises a bead shape end.
39. *(Previously Presented)* The toothpick as set forth in claim 24, wherein the surface of said element comprises texture, bristles, or transparent bristles to said light beam.
40. *(Previously Presented)* The toothpick as set forth in claim 24, wherein said handle is a removable, a disposable, a reusable or a replaceable handle or said element is a removable, a disposable, a reusable or a replaceable element.
41. *(Previously Presented)* The toothpick as set forth in claim 24, wherein said element is bendable, formable, or has a pre-arranged angle.



42. *(Previously Presented)* The toothpick as set forth in claim 24, wherein said light source is a low power laser, a light emitting diode or a semiconductor laser.
43. *(Previously Presented)* The toothpick as set forth in claim 24, wherein said light treatment is selected from the group consisting of an anti-inflammatory effect, a preventative effect, an anti-bacterial effect, a sterilizing effect, a heating effect, a caries-protective effect, a cleaning effect, a cosmetic effect, a therapeutic effect, a healing effect, a bio-stimulative effect, a bio-altering effect, a pain-releaving effect, an agent penetrating effect, a photo-rejuvenating effect, a photo-dynamic treatment effect or a tissue stimulating effect.
44. *(Previously Presented)* The toothpick as set forth in claim 24, wherein said light beam comprises light from the ultraviolet, visible or infrared spectrum.
45. *(Previously Presented)* The toothpick as set forth in claim 24, wherein said light beam is applied in a manner selected from the group consisting of a pulsed manner and a continuous manner.
46. *(Previously Presented)* The toothpick as set forth in claim 24, further comprising one or more optical components wherein said one or more optical components are selected from the group consisting of optical guides or paths, optical fibers, lenses, mirrors, prisms, reflective coatings, reflective grooves, beam splitters, collimators, light channels and gratings.

47. (*Previously Presented*) The toothpick as set forth in claim 24, further comprising a massaging means to massage said body structure.

48. (*Previously Presented*) The toothpick as set forth in claim 24, wherein said floss is a transparent floss and wherein said floss is optically connected to said light beam of said light source or said floss is optically connected to a different light beam of a different light source.